

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2005:983948 CAPLUS <>LOGINID::20090528>>  
 DOCUMENT NUMBER: 1431279424  
 TITLE: Anxiolytic treatment by inhibition of a  
polysialyltransferase  
 INVENTOR(S): Marth, Jamey; Fukuda, Minoru  
 PATENT ASSIGNEE(S): The Regents of the University of California, USA; The  
 Burnham Institute  
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 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005081881	A2	20050909	WO 2005-US5328	20050217
WO 2005081881	A3	20061207		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SC, SK, SL, SM, SV, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UC, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GS, GR, HU, IE, IS, IT, LT, LU, MC, NL, PE, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 20070142319	A1	20070621	US 2006-589835	20060817
PRIORITY APPLN. INFO.:			US 2004-546347P	P 20040220
			WO 2005-US5328	W 20050217

AB The present invention provides compds. and methods for ameliorating a symptom of **anxiety**, fear, or depression behavior in a mammal in need thereof by decreasing or inhibiting  **$\alpha$ -2,8-sialyltransferase** activity, particularly **ST8Sia-II sialyltransferase** activity, in the mammal. This decrease in activity may be attained in a number of ways including, but not limited to, administering a compound that directly or indirectly decreases or inhibits the enzymic activity of the  **$\alpha$ -2,8-sialyltransferase**.

-> D SCAN

L8 1 ANSWERS CAPLUS COPYRIGHT 2009 ACS on STN  
 IC ICM A61K  
 CC 1-11 (Pharmacology)  
 TI Anxiolytic treatment by inhibition of a polysialyltransferase  
 ST anxiolytic treatment polysialyltransferase inhibition  
 IT Polynucleotides  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (ST8Sia-II sialyltransferase encoding; anxiolytic treatment  
 by inhibition of a polysialyltransferase)  
 IT Animal cell  
 (ST8Sia-II sialyltransferase-expressing; anxiolytic treatment  
 by inhibition of a polysialyltransferase)  
 IT Polysaccharides, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (acceptor substrate; anxiolytic treatment by inhibition of a  
polysialyltransferase)  
 IT Antidepressants  
Anxiety  
 Anxiolytics  
 Human  
 (anxiolytic treatment by inhibition of a polysialyltransferase)  
 )  
 IT Polysaccharides, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (asparagine (N)-linked glycan, acceptor substrate; anxiolytic treatment  
 by inhibition of a polysialyltransferase)

IT Mental and behavioral disorders  
(depression; anxiolytic treatment by inhibition of a polysialyltransferase)

IT Emotion  
(fear; anxiolytic treatment by inhibition of a polysialyltransferase)

IT Sialic acids  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(polymers, production; anxiolytic treatment by inhibition of a polysialyltransferase)

IT Sialic acids  
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
(Biological study); USES (Uses)  
( $\alpha$ -2,3-linked or  $\alpha$ -2,6-linked or  $\alpha$ -2,8-linked,  
analog); anxiolytic treatment by inhibition of a polysialyltransferase)

IT 172522-10-0, Polysialic acid synthase ST8Sia II  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(anxiolytic treatment by inhibition of a polysialyltransferase)

IT 188222-46-0, GenBank U82762 207784-22-3, GenBank AF003092 680845-31-2  
684196-47-2, GenBank BC069584 684636-68-8 684636-70-2  
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)  
(anxiolytic treatment by inhibition of a polysialyltransferase)

IT 3063-71-6D, analogs  
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
(Biological study); USES (Uses)  
(anxiolytic treatment by inhibition of a polysialyltransferase)

IT 3063-71-6  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(donor substrate; anxiolytic treatment by inhibition of a polysialyltransferase)

IT 864102-31-8 864102-32-9 864102-33-0 864102-34-1  
RL: PRP (Properties)  
(unclaimed nucleotide sequence; anxiolytic treatment by inhibition of a polysialyltransferase)

ALL ANSWERS HAVE BEEN SCANNED